GE
Lighting

Evolve™ LED Area Light

Scalable Area Light (EASB)

imagination at work

Product Features

The next evolution of the GE Evolve™ LED Area Light continues to deliver outstanding features, while adding greater flexibility, style and scalability. This latest design offers higher lumen outputs and provides photometric combinations with high efficacy, providing the ability to meet even a wider range of area lighting needs. Additionally, the new EASB Evolve Luminaire comes with a specially designed auto dealership optic for exceptional illuminance on the dealership's front row. Optional programmable motion sensing for Title 24 compliance is available.

Applications

- Site, area, and general lighting applications utilizing advanced LED optical system providing high uniformity, excellent vertical light distribution, reduced offsite visibility, reduced on-site glare and effective security light levels.
- Ideal for small to large retailers, commercial to medical properties, and big box retailers.

Housing

- Die-cast aluminum housing.
- Slim architectural design incorporates an integral heat sink and light engine, ensuring maximum heat transfer, long LED life, and a reduced Effective Projected Area (EPA).
- Meets 2G vibration standards per ANSI C136.31-2010. For 3G rating contact manufacturer.

LED & Optical Assembly

- Structured LED arrays for optimized area light photometric distribution.
- Evolve light engine with directional reflectors designed to optimize application efficiency and minimize glare.
- Utilizes high brightness LEDs, 70 CRI at 4000K and 5000K typical.

Lumen Maintenance

- System rating is L85 at 50,000 hours. Contact manufacturer for Lxx rating (Lumen Depreciation) beyond 50,000 hours.

Ratings

- UL listed, suitable for wet locations.
- cUL listed with option code "J" SKUs.
- IP65 rated optical enclosure per ANSI C136.25-2009.
- Temperature rated at –40° to 50°C (–40° to 35°C for 412W fixtures). Delayed start may be experienced below -35° C.
- Upward Light Output Ratio (ULOR) = 0.
- Title 24 compliant with "H" motion sensor option.
- Compliant with the material restriction requirements of RoHS.

Mounting

Option A

- 10-inch (254mm) mounting arm for square pole prewired with 24-inch (610mm) leads.

Option B

- 10-inch (254mm) mounting arm for round pole prewired with 24-inch (610mm) leads.

Option C

- Slipfitter mounting for 2 3/8-inch (60mm) O.D. pipe prewired with 24-inch (610mm) leads.

Option S

- Knuckle Slipfitter mounting for 2.3-3" O.D. pipe, pre-wired with 24-inch (610mm) leads.

Finish

- Corrosion resistant polyester powder painted, minimum 2.0 mil. thickness.
- Standard colors: Black & Dark Bronze.
- RAL & custom colors available.

Electrical

- 120-277 volt and 347-480 volt available.
- System power factor is >90% and THD <20%.*
- Class "A" sound rating.
- Photo electric sensors (PE) available for all voltages.
- GE dimmable PE socket is available making the unit "adaptive controls ready." Contact manufacturer for details.
- Surge Protection Options:
  For 120-277VAC and 347-480VAC per IEEE/ANSI C136.2-2014.
  - 6kV/3kA "Basic" surge protection, standard.
  - 10kV/5kA "Enhanced" surge protection available with R option.

** System power factor and THD is tested and specified at 120V input and maximum load conditions.*

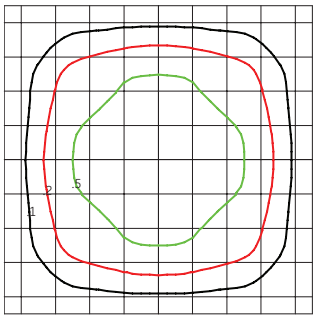
Ordering Number Logic

Evolve™ LED Scalable Area Light (EASB)

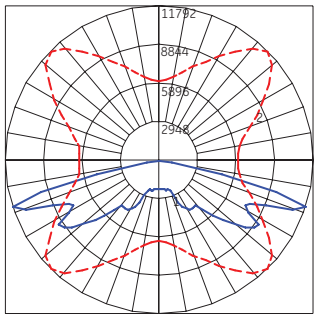
EAS B _ _ _

Photometrics

EASB Type V - Symmetric Medium (K5)
32,000 Lumens, 5000K (GE456890.ies)

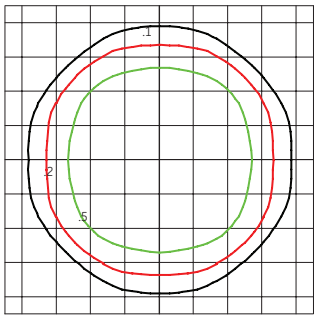


Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

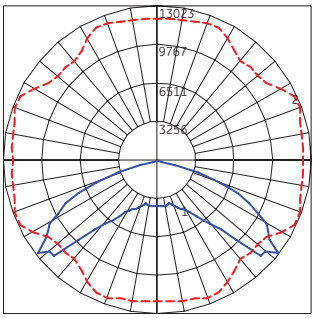


— Vertical plane through horizontal angle of maximum candlepower at 45°
- - Vertical plane through horizontal angle of 72.5°

EASB Type V - Symmetric Short (U5)
35,600 Lumens, 5000K (GE456897.ies)

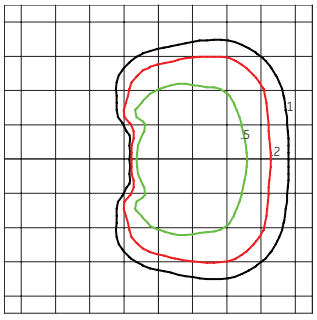


Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

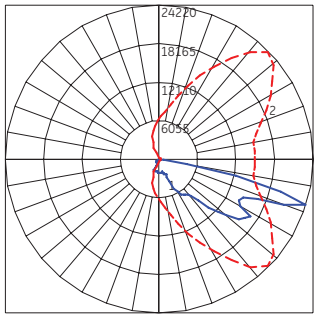


— Vertical plane through horizontal angle of maximum candlepower at 20°
- - Vertical plane through horizontal angle of 52.5°

EASB Type IV - Asymmetric Forward (K4)
33,000 Lumens, 5000K (GE456907.ies)

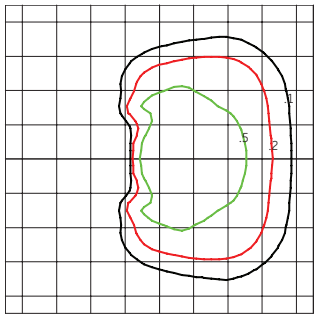


Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

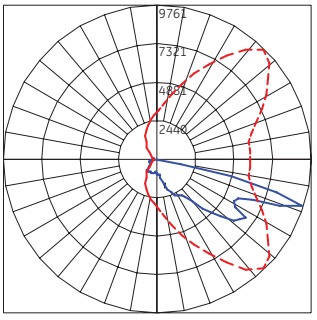


— Vertical plane through horizontal angle of maximum candlepower at 45°
- - Vertical plane through horizontal angle of 72.5°

EASB Type IV - Asymmetric Forward (E4)
13,300 Lumens, 5000K (GE456902.ies)

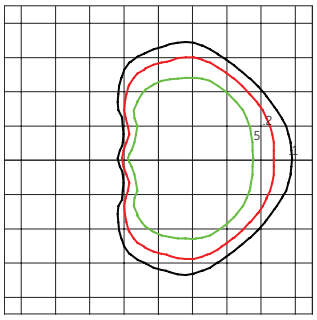


Grid Distance in Units of Mounting Height at 30' Initial Footcandle Values at Grade

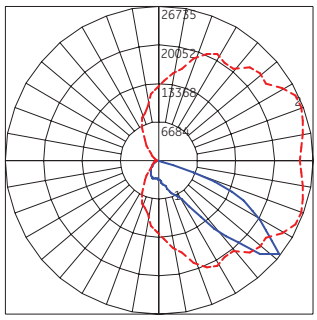


— Vertical plane through horizontal angle of maximum candlepower at 45°
- - Vertical plane through horizontal angle of 72.5°

EASB Type III - Asymmetric Wide (K3)
36,000 Lumens, 5000K (GE456917.ies)

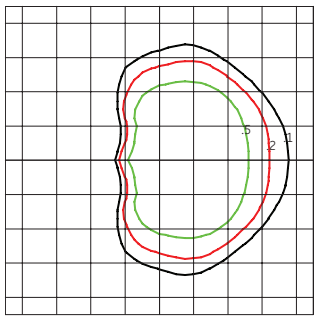


Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

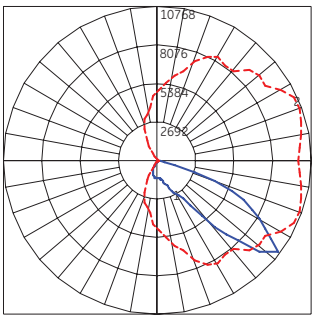


— Vertical plane through horizontal angle of maximum candlepower at 20°
- - Vertical plane through horizontal angle of 52.5°

EASB Type III - Asymmetric Wide (E3)
14,500 Lumens, 5000K (GE456912.ies)

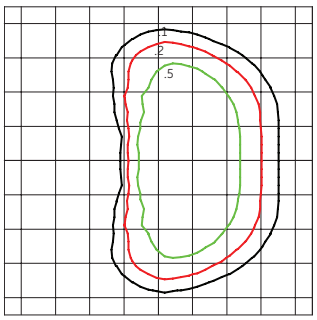


Grid Distance in Units of Mounting Height at 30' Initial Footcandle Values at Grade

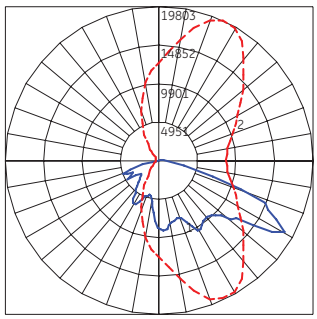


— Vertical plane through horizontal angle of maximum candlepower at 20°
- - Vertical plane through horizontal angle of 52.5°

EASB Type II - Asymmetric Narrow (K2)
34,700 Lumens, 5000K (GE456927.ies)

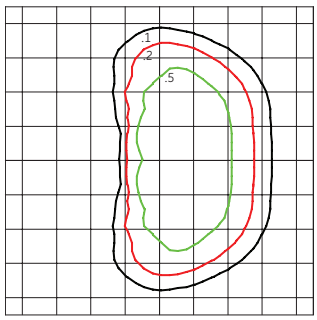


Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

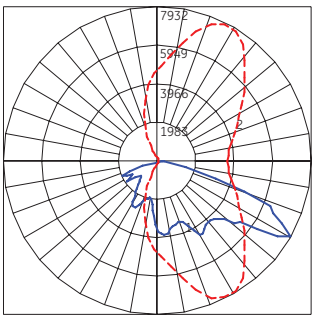


— Vertical plane through horizontal angle of maximum candlepower at 65°
- - Vertical plane through horizontal angle of 60°

EASB Type II - Asymmetric Narrow (E2)
13,900 Lumens, 5000K (GE456922.ies)



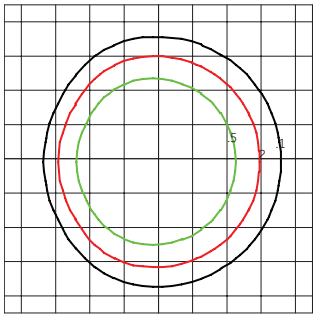
Grid Distance in Units of Mounting Height at 30' Initial Footcandle Values at Grade



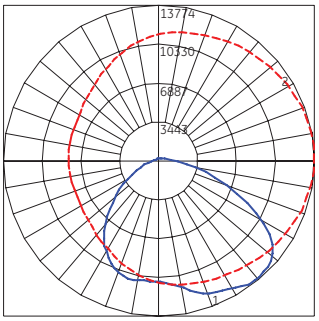
— Vertical plane through horizontal angle of maximum candlepower at 65°
- - Vertical plane through horizontal angle of 60°

Photometrics

EASB Type II - Assymetric Auto (KA)
38,800 Lumens, 5000K (GE456928.ies)



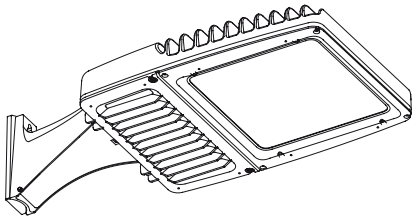
Grid Distance in Units
of Mounting Height at 40' Initial
Footcandle Values at Grade

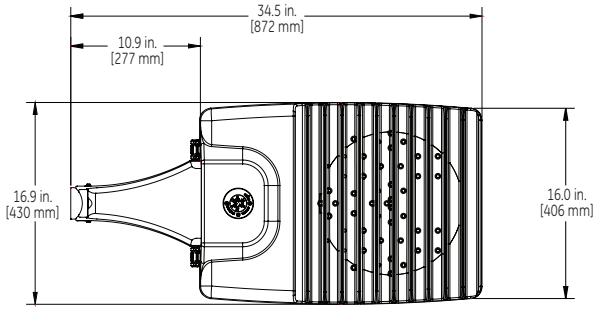


Vertical plane through horizontal angle
of maximum candlepower at 0°
Vertical plane through horizontal angle of 180°

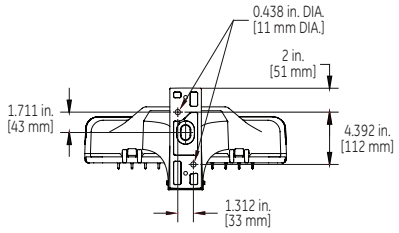
Product Dimensions

10" Arm For Square Pole Mount (Option A)

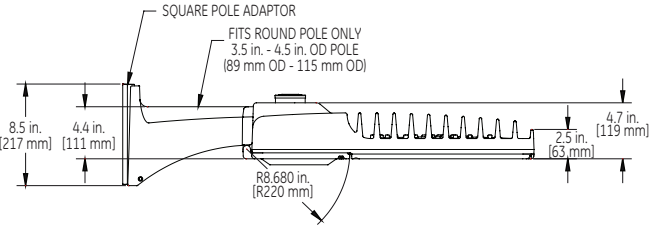




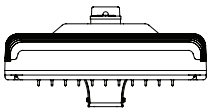
TOP VIEW



BACK VIEW



SIDE VIEW



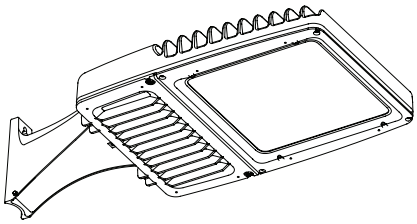
FRONT VIEW

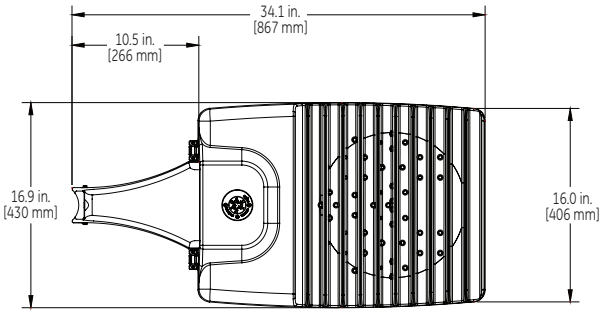
DATA

- Approximate net weight: 43-47 lbs (19.50 - 21.32 kgs)
  Contact manufacturer for specific configuration weight.
- Effective Projected Area (EPA) with 10" Mounting Arm: 0.97 sq ft max (0.09 sq m)

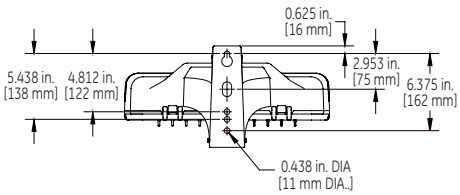
Product Dimensions

10” Arm For Round Pole Mount (Option B)

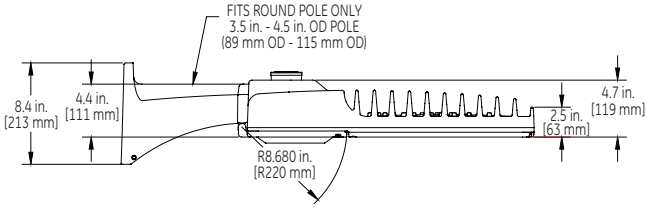




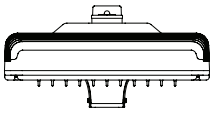
TOP VIEW



BACK VIEW



SIDE VIEW

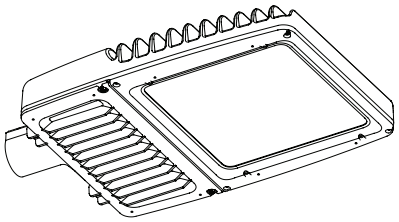


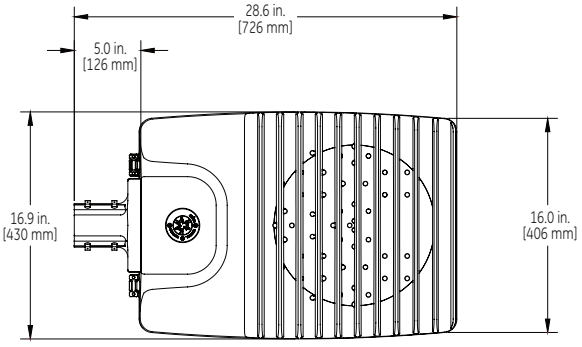
FRONT VIEW

DATA

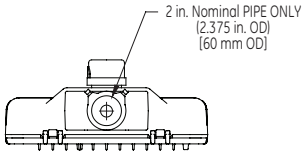
- Approximate net weight: 43-47 lbs (19.50 - 21.32 kgs)
  Contact manufacturer for specific configuration weight.
- Effective Projected Area (EPA) with 10” Mounting Arm: 0.97 sq ft max (0.09 sq m)

Slipfitter Arm Mount (Option C)

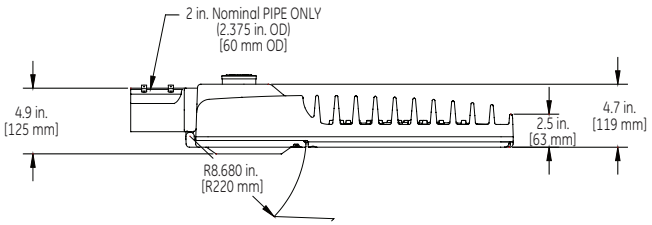




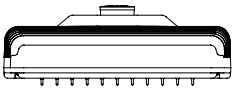
TOP VIEW



BACK VIEW



SIDE VIEW

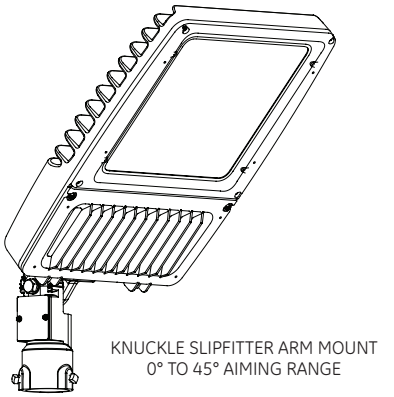


FRONT VIEW

DATA

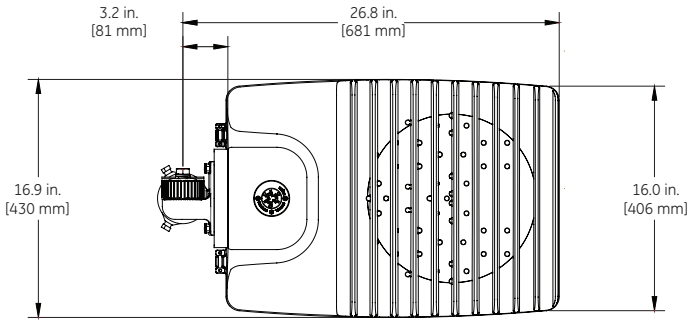
- Approximate net weight: 41-45 lbs (18.60 - 20.41 kgs)
  Contact manufacturer for specific configuration weight.
- Effective Projected Area (EPA) with Slipfitter: 0.47 sq ft max (0.04 sq m)

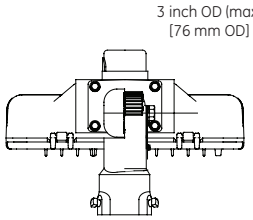
Knuckle Arm Mount (Option S)



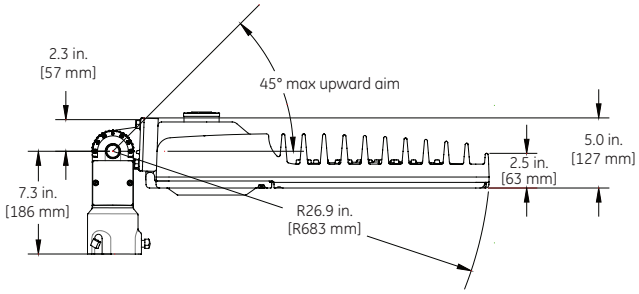
KNUCKLE SLIPFITTER ARM MOUNT
0° TO 45° AIMING RANGE

TOP VIEW

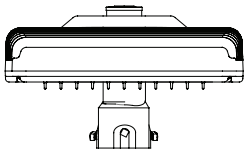




BACK VIEW



SIDE VIEW

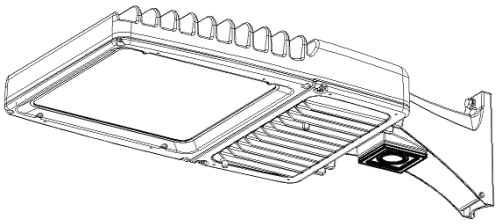


FRONT VIEW

DATA

- Approximate net weight: 41-45 lbs (18.60 - 20.41 kgs)
  Contact manufacturer for specific configuration weight.
- Effective Projected Area (EPA) with fixture mounted at 45° upward: 1.97 sq ft max

H-Motion Sensing Option:

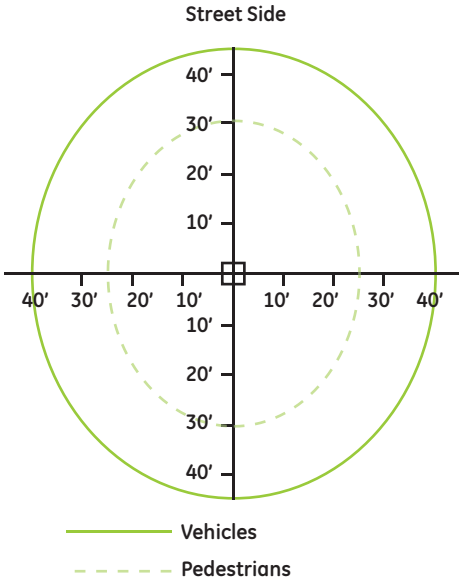


- Intended for high mounting applications, between 15-45ft (4.57-9.14m).
- Comes standard with 50% dimmed light output with no occupancy, and full power at occupancy.
- Comes standard with photocell function. Note: It is not necessary to also purchase PE receptacle or control.
- Comes standard with a 5 minute occupancy time delay and a 5 minute ramp-down to the 50% dimmed level.
- Must order with decorative mounting arm options “A” or “B”.
- Fixture power increase of 1W expected with sensor use.

Note: Standard options may be reprogrammed in the field. Reprogramming instructions included in product shipment.

Sensor Pattern:

Sensing Pattern Area Fixture 15 - 45 ft.



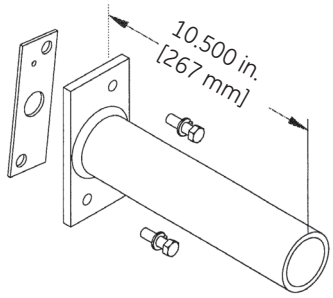
Mounting Information

Mounting Arms for Slipfitter

Order separately with Mounting Option C (External Slipfitter)

SQUARE POLE MOUNTING ARM

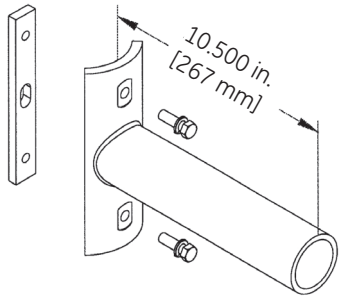
3.5 TO 4.5-inch (89 to 114mm) SQUARE
(WILL ALLOW 4 FIXTURES PER POLE @ 90 DEGREES.)



ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
SPA-EAMT10BLCK "Black"
SPA-EAMT10DKBZ "Dark Bronze"

ROUND POLE MOUNTING ARM

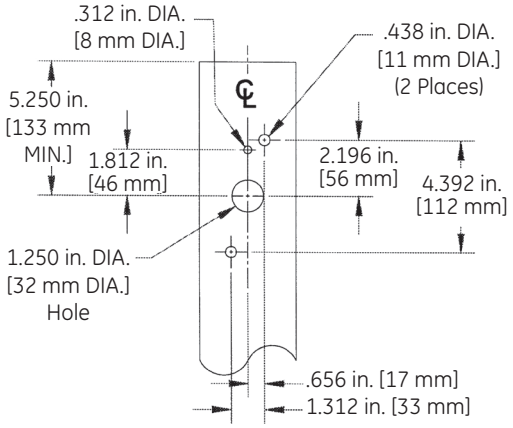
3.5 TO 4.5-inch (89 to 114mm) OD
(WILL ALLOW 4 FIXTURES PER POLE @ 90 DEGREES.)



ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
RPA-EAMT10BLCK "Black"
RPA-EAMT10DKBZ "Dark Bronze"

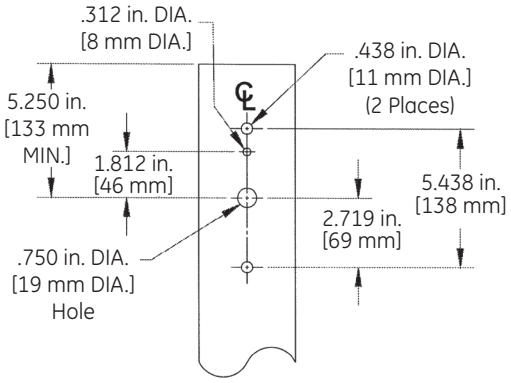
Drilling Templates for Slipfitter Arms & Arm Mount

SQUARE POLE MOUNTING



ROUND POLE MOUNTING

3.5 TO 4.5-inch (89 to 114mm) OD
round pole mounting arm



Wall Mounting Bracket Adapter Plate

ORDER SEPERATELY FROM FIXTURE AS CATALOG NUMBER
WMB-EAMT06

Other mounting patterns are available for retrofit installations.
Contact manufacturing for other available mounting patterns.

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OLP3071 (Rev 02/27/15)